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(71) Applicants *(for all designated States except US)*: **SHIMADZU RESEARCH LABORATORY (EUROPE) LTD** [GB/GB]; Wharfside, Trafford Wharf Road, Manchester M17 1GP (GB). **IMPERIAL COLLEGE INNOVATIONS LIMITED** [GB/GB]; Sherfield Building, Imperial College, London SW7 2AZ (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **SMITH, Alan, Joseph** [GB/GB]; 11 Nettleton Grove, Blackley, Manchester M9 4BQ (GB). **CONNERADE, Jean, Patrick** [GB/GB]; 76 Granville Road, London SW18 5SG (GB). **GARCIA-SEGUNDO, Crescencio** [MX/GB]; 53 Cromwell Road, London SW7 2EH (GB).

(74) Agent: **MATHISEN, MACARA & CO.**; 6-8 Swakeleys Road, Ickenham, Uxbridge, Middlesex UB10 8BZ (GB).

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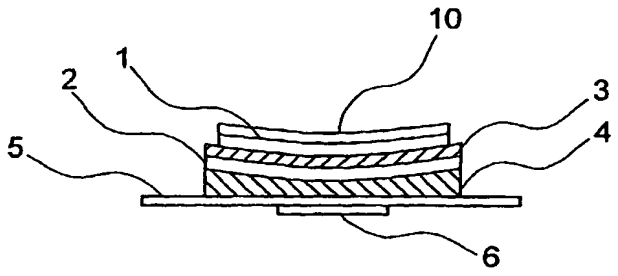

(57) Abstract: A device for simultaneously detecting and reflecting electromagnetic radiation consisting of a thin layer of insulating pyro-electric and/or piezo-electric material sandwiched between two conducting electrodes. The upper-most electrode is effective to separate the radiation into a reflected part and an unreflected part, which is absorbed, and the insulating layer has an electrical property dependent on the intensity of electromagnetic radiation absorbed by the upper-most electrode. An electrical voltage and/or current measured between the two electrodes is responsive to the electrical property of the insulating layer and is indicative of the intensity of the absorbed electromagnetic radiation.

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